

In The Specification

Please replace paragraph [0045] with the following amended paragraph:

Figure 4 shows a cross-sectional view of a main portion for a shock-absorbing device **20**. Shock-absorbing device **20** is similar to shock-absorbing device **10** except that the mid-filler attachment **26** has an ohm-shaped cross-section that is comprised of an integrated combination of a collision energy absorbing pipe **16a** and arm parts **16b**. The mid-filler attachment **26** may optionally contain the mid-filler attachment **16a** either within the center of the hollow of the mid-filler attachment **26** between the guard fence **14** and the mid-filler attachment **26** or positioned between the support post **12** or structure and the outside top of the mid-filler attachment **26**. Furthermore, the above combinations can include a shock absorbing resin **5** within any hollow section between the back of the guard fence **14** and the support post **12** or structure.

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1. (currently amended) A shock-absorbing guardrail comprising:

a guard fence having a back;

a mid-filler attachment having elliptical sides that irreversibly deforms after collision impact; and,

at least one arm affixed to the mid-filler attachment and affixed to the back of the guard fence wherein the shock-absorbing guardrail does not produce any elastic restoring force after collision.

Claim 2. (previously presented) The guardrail according to claim 1 further comprising:

a connector for releasably affixing the arm to the back of the guard fence.

Claim 3. (original) The guardrail according to claim 1 further comprising:

a support post affixed to the mid-filler attachment.

Claim 4. (original) The guardrail according to claim 3 further comprising:

a shock-absorbing resin positioned between the back of the guard fence and the support post.

Claim 5. (original) The guardrail according to claim 3 further comprising:

a shock-absorbing pipe positioned between the guard fence and the support post.

Claim 6. (original) The guardrail according to claim 1 wherein the mid-filler attachment has an ohm-shaped cross-section.

Claim 7. (previously presented) The guardrail according to claim 1 further comprising:

a large mid-filler attachment having an ohm-shaped cross section with elliptical sides that irreversibly deforms after collision impact; and,

a small mid-filler attachment positioned within the large mid-filler attachment, wherein the mid-filler attachments are affixed to the back of the guard fence.

Claim 8. (original) The guardrail according to claim 2 further comprising:

a connector wherein the mid-filler attachment is releasably affixed to the support post with the connector.

Claim 9. (original) The guardrail according to claim 1 wherein the mid-filler attachment undergoes irreversible deformation when the guard fence is impacted.

Claim 10. (previously presented) The guardrail according to claim 1 further comprising:

a structure selected from the group consisting of support poles, hydrants, semaphoric poles, bifurcations, anti-collision sections, sectional walls, walls at parking lots, concrete walls, light pole foundations, and loading docks wherein the structure is affixed to the guard fence with the mid-filler attachment positioned therebetween.

Claim 11. (previously presented) The guardrail according to claim 9 further comprising:

a shock-absorbing resin positioned between the guard fence and a structure.

Claim 12. (original) The guardrail according to claim 10 further comprising:

a shock-absorbing pipe positioned between the guard fence and the structure.

Claim 13. (original) The guardrail according to claim 12 further comprising:

a shock-absorbing resin positioned between the guard fence and the structure.

Claim 14. (original) The guardrail according to claim 10 wherein the mid-filler attachment has an ohm-shaped cross-section.

Claim 15. (original) The guardrail according to claim 10 wherein the mid-filler attachment has an open pipe shaped cross-section.

Claim 16. (original) The guardrail according to claim 10 wherein the mid-filler attachment is affixed to the structure with connection parts.

Claim 17. (currently amended) A shock-absorbing guardrail for structures comprising:

a guard fence having a back;

a big mid-filler attachment having an ohm-shaped cross-section with elliptical sides that irreversibly deforms after collision impact; and,

a small mid-filler attachment positioned within the big mid-filler attachment, wherein the mid-filler attachments are affixed to the back of the guard fence wherein the shock-absorbing guardrail does not produce any elastic restoring force after collision.

Claim 18. (original) The guardrail according to claim 17 wherein the small mid-filler attachment is laminated to the big mid-filler attachment.

Claim 19. (original) The guardrail according to claim 17 wherein the big mid-filler attachment and the small mid-filler attachment are arranged in layers.

Claim 20. (original) The guardrail according to claim 17 further comprising:

a shock absorbing resin positioned within the mid-filler attachments.

Claim 21. (previously presented) The guardrail according to claim 17 further comprising:

a structure selected from the group consisting of support poles, hydrants, semaphoric poles, bifurcations, anti-collision sections, sectional walls, walls at parking lots, concrete walls, light pole foundations, and loading docks wherein the structure is affixed to the guard fence with the mid-filler attachments positioned therebetween.

Claim 22. (original) The shock-absorbing guardrail of claim 17 further comprising:

a shock-absorbing resin affixed to the back of the guard fence.

Claim 23. (original) The shock-absorbing guardrail of claim 17 further comprising:

a shock-absorbing pipe affixed to the back of the guard fence.

Claim 24. (currently amended) A method of producing a shock absorbing guardrail comprising:

providing a guard fence having a back;

attaching a mid-filler attachment having an ohm-shaped cross-section with elliptical sides that irreversibly deforms after collision impact to the back of the guard fence wherein the shock-absorbing guardrail does not produce any elastic restoring force after collision.

Claim 25. (original) The method of claim 24 further comprising:

attaching the mid-filler attachment to a support post so that the mid-filler attachment is positioned between the back of the guard fence and the support post.

Claim 26. (original) The method of claim 25 further comprising:

attaching a shock absorbing resin between the back of the guard fence and the support post.

Claim 27. (original) The method of claim 24 further comprising:

attaching the mid-filler attachment to a structure so that the mid-filler attachment is positioned between the back of the guard fence and the structure.